

Rabbit anti-Human 5HT7 Receptor Monoclonal Antibody | anti-HTR7 antibody

5HT7 Receptor Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282794	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

5HT7 Receptor; Monoclonal Antibody; 5HT7 Receptor Rabbit mAb; 5-HT7; anti-HTR7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MMDVNSSGRP DLYGHLRSFL LPEVGRGLPD LSPDGGADPV AGSWAPHLLS EVTASPAPTW DAPPDNASGC GEQINYGRVE KVVIGSILTL ITLLTIAGNC
Applicable Applications for anti-HTR7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human 5HT7 Receptor (P34969).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



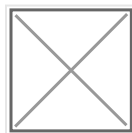
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain using 5HT7 Receptor Rabbit mAb (AAA282794, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat brain using 5HT7 Receptor Rabbit mAb (AAA282794, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of various lysates using 5HT7 Receptor Rabbit mAb (AAA282794) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR7 antibody	The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends.
Product Categories/Family for anti-HTR7 antibody	Signal Transduction; G protein signaling; G-Protein-Coupled ReceptorsGPCR; Endocrine Metabolism; Endocrine and metabolic diseases; Obesity; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504547
NCBI GeneID	3363
NCBI Accession #	NP_000863.1
NCBI GenBank Nucleotide #	NM_000872.4
UniProt Accession #	P34969; P78336; P78372; P78516; Q5VX01; Q5VX02; Q5VX03; B5BUP6
Molecular Weight	Calculated MW: 54kDa Observed MW: 54kDa
UniProt Protein Name	5-hydroxytryptamine receptor 7
UniProt Gene Name	HTR7
UniProt Synonym Gene Names	5-HT-7; 5-HT7
UniProt Entry Name	5HT7R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/5ht7-receptor-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282794>